Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 18 Jan 2022 until 23:59 on Wednesday 19 Jan 2022

Forecast Issued on Tuesday 18 Jan 2022 at 03:17

Confidence: Remaining quite settled under the influence of high pressure but a return to quite cold conditions with northwesterly winds by Wednesday. Some frontal rain on Tuesday adds some uncertainty to the amount of cloud likely and timings of rain on Wednesday may change.

Headline for Tuesday 18 Jan 2022: A dry morning, cloudy with some rain later, strong southerly winds.

Mountain weather hazards on Tuesday 18 Jan 2022

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Sunny	Cloudy	Fog	Fog	Drizzle
Precipitation probability					
10%	<05%	20%	30%	50%	60%

Forecast for Tuesday 18 Jan 2022

Weather: Dry with clear spells overnight, some mist forming. A dry during the morning with some bright or sunny spells. Clouding over later in the morning and cloud thickening enough to give some drizzle or light rain during the afternoon period. Outbreaks of mainly light rain continuing during the evening.

Chance of cloud free mountain/hill tops above 800m: 100% decreasing to 60% later in the day in association with rainband.

Visibility: Very good visibility during the morning, however this will become moderate during the afternoon as rain approaches, possibly poor in drizzly rain by later afternoon. Rain will also be accompanied by increasing low cloud with bases lowering to 600m especially in the south. Cloud will be more scattered around 700m around northern fells during the late afternoon.

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Forecast for Tuesday 18 Jan 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	29/34 S	27/32 S	27/33 S	28/34 S	31/38 S	34/42 SW	37/46 SW
600	21/26 S	22/28 S	24/31 S	24/31 S	26/36 S	25/34 SW	28/38 SW
300	5/21 S	6/21 S	7/22 S	8/23 S	10/26 S	8/25 S	11/30 SW
Valley	1/12 S	2/13 S	6/18 S	8/21 S	9/23 S	10/26 SW	13/30 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-4	2/-5	0/-7	0/-7	1/-7	1/-6	2/-5
600	3/-2	2/-4	2/-4	2/-5	2/-5	3/-3	4/-2
300	3/1	2/-0	4/1	4/1	4/0	5/2	6/2
Valley	2/1	3/1	6/4	6/4	6/4	7/4	7/4
Freezing Level*	1000m	900m	1000m	1000m	1200m	1500m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level will fall for a time during the day but most precipitation will be rain except on the highest fells which might see a dusting of snow. Note the significant chill affect in strong winds and cooler air.

Forecast for Wednesday 19 Jan 2022

Weather: Outbreaks of rain, heavy at times, overnight will clear south around dawn with a fresher cooler feel to follow. Likely to be a lot of bright and dry conditions but perhaps the odd wintery shower affecting the fells. Feeling cold in the fresh northwesterly winds with a significant windchill likely.

Maximum wind: Northwesterly 25 mph with gusts 35mph.

Chance of cloud free mountain/hill tops above 800m: 60% initially but improving to 90%, perhaps some patches of lower cloud with passing wintery showers.

Visibility: Occasionally moderate at first but becoming very good for most of the day, dipping slightly in any showers.

Temperature: **Valleys:** Plus 8 Celsius falling to 2 Celsius later.
At 800m: Zero
Freezing level: Around 800m.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 17 January.Location: Helvellyn summit at 00:15.Temperature: plus 6.9&degC.Maximum wind speed 30.3mph.Wind chill: plus 0.7&degC.Average wind speed: 25.3mph.Full report:The ground conditions are quite mixed on the Lakeland Fells. The majority of both the fells and paths are free from snow right up to and including summit level with many paths and rocks actually being dry. Conversely there are also patches of both ice and old hard icy snow. The snow can be found above 700m with the vast majority above 850m in sheltered spots and hollows and on east and north facing aspects. A particular hazard on paths is old compressed icy snow. Owing to hard overnight frosts and the altitude and location of these snow & ice patches, they are not going to thaw quickly so walkers out on the high fells should be prepared and equipped to encounter them.Cornices remain over steep N and E facing slopes. Although small they should be avoided, so please keep well away from such edges and advise those with less experience to do likewise.With a temperature and cloud inversion today the summit temperature was above freezing; however the windchill did not make it feel that way so full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment - including torch, map & compass - are all essential for anyone venturing out onto the high fells. This is not just for safety; those without extra layers were unable to linger to enjoy the spectacular summit vista today. For those attempting, or traversing, steep, exposed routes above the snowline crampons and an ice axe to arrest a slide are essential. Please do not be lulled into a false sense of security; for example the crest of Striding Edge today was wonderfully dry, bare rock. Its exit, though, is guarded by a bank of steep, deep hard snow. There are steps cut into it, and it can be done without equipment, but those doing so, especially in descent, were not asking the question “What happens if I slip here?” Thus an ice axe is essential and crampons or at the least microspikes should be carried for those attempting the edges.

Issued at: 03:17 on Tue 18 Jan 2022

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